

## CLAIMS

What is claimed is:

1. A dust-proof filter apparatus comprising:
  - a body which is  $\sqsubset$ -shaped and has a receiving space with at least one connection end
  - and at least one opening end;
  - at least one filter which is arranged into said receiving space; and
  - at least one elastic buckle assembly having a clasp element and an interlocking opening, which said clasp element and said interlocking opening are, respectively, located in the surface of said opening end of said body.
2. A dust-proof filter apparatus according to claim 1, wherein said clasp element could be engaged with said interlocking opening.
3. A dust-proof filter apparatus according to claim 1, wherein said receiving space comprises a inner frame and a outer frame, which said filter is arranged between said inner frame and said outer frame.
4. A dust-proof filter apparatus according to claim 1, wherein said elastic buckle assembly is located in the -surface of said opening end opposite to said connection end.
5. A dust-proof filter apparatus according to claim 1, wherein said elastic buckle assembly is located in the -surface of said opening end adjacent to said connection end.
6. A dust-proof filter apparatus according to claim 1, wherein the top surface of said body further comprises a push-pull plank.
7. A dust-proof filter apparatus according to claim 1, wherein said body is mounted on a sliding way of a cooling system.
8. A dust-proof filter apparatus according to claim 1, wherein said body has at least one opening in the surface corresponding to the location of said filter.
9. A dust-proof filter apparatus according to claim 1, wherein said clasp element is composed of a plurality of elastic pieces to form a hollow cylinder, and said interlocking opening is a ladder-shaped hole.

10. A dust-proof filter apparatus according to claim 1, wherein said body further comprises a upper base plate and a lower base plate, which said upper base plate and said lower base plate is connected by at least one connection bond.

5 11. A dust-proof filter apparatus according to claim 10, wherein said filter is arranged between said upper base plate and lower base plate, and wherein said upper and lower base plate with at least one opening in the surface corresponding to the location of said filter.

10 12. A dust-proof filter apparatus according to claim 10, wherein said upper base plate, lower base plate and said connection bond are formed in one.

13. A dust-proof filter apparatus according to claim 10, wherein said connection bond is flexible.

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